

**To:** Mylott, Richard[Mylott.Richard@epa.gov]  
**From:** McClain-Vanderpool, Lisa  
**Sent:** Tue 8/11/2015 12:05:52 AM  
**Subject:** FW: 1700 -- ASPECT Update -- 10 August  
[24mm2015\\_08\\_10\\_14\\_20\\_41\\_gecorr.jpg](#)  
[Summary of ASPECT Flights.docx](#)

We can add stuff from this in tomorrows.

This is the flyover update.

Lisa McClain-Vanderpool

Public Affairs Specialist/Media Officer

Office of Communications and Public Involvement

US Environmental Protection Agency, Region 8

1595 Wynkoop Street

Denver, Colorado 80202

Office 303.312.6077

Cell 303.501.4027

**From:** Thomas, Mark J.

**Sent:** Monday, August 10, 2015 5:07 PM

**To:** Raj.Dutt@WestonSolutions.com; Ian Bruce; McClain-Vanderpool, Lisa; Cardarelli, John; Curry, Tim; Kudarauskas, Paul; Kroutil, Robert; John.Lucotch@WestonSolutions.com; Myers, Craig; Nattis, Randy; Martin, John; McComb, Martin; Janine.Latham@WestonSolutions.com; Loesel, Matthew

**Subject:** 1700 -- ASPECT Update -- 10 August

ASPECT conducted two missions today including a photo survey from Farmington to just short of the mine (weather at the top) and a photo survey of the San Juan which was terminated due to weather. Data for flight 8 has been processed but a review of the images shows many dark images caused by terrain shadows. The file set is being rerun using a stretch to brighten up the canyon sections which will assist in the assessment of the water. Examination of selected photos

(see attached) from Farmington to the end of survey shows consistent attenuation of orange color in the water. In several frames, the main current has washed the orange away with only discoloration showing in sand bars and back waters. Due to lighting, an attempt was made to re-fly the section north of Durango at midday but low clouds and turbulence made this impossible.

Flight 9 consisted of flying the San Juan river from Bluff to Farmington. The crew reported moderate turbulence and light rain. Several images were checked and while usable (with stretch) concerns were that the lenses would get water coated due to rain so the mission was terminated.

To aid in the status of data please find attached a summary table showing flight number, date, time, area, and processing/posting status. This table will be updated each day and provided in the daily report.

Pending weather, which looks poor for 11 August, it is proposed to re-fly the Animas from Farmington to the mine. Special attention will be made to the canyon area north of Durango. To assist in the light conditions, the flight will be delayed one hour in the morning to get less shadow. If the weather looks good, the profile may be changed to conduct limited San Juan collection in the morning and have the Durango north section conducted prior to rtb.

If you have any questions please let me know.

Mark Thomas, PhD

ASPECT Program Manager

Field Operations Branch

CBRN Consequence Management Advisory Division

EPA Office of Emergency Management

300 Minnesota Ave

Kansas City, KS 66101

Office: 913-551-5018

Cell: 513-675-4753